

<b>Project Title:</b>	Replication fork dynamics and repair by Rad51 paralogues after DNA alkylation
<b>PI:</b>	Bernstein, Kara A
<b>Institution:</b>	University Of Pittsburgh At Pittsburgh
<b>Grant Number:</b>	R01ES024872

These search results have not been confirmed by NIEHS and are therefore, not official. They are to be used only for general information and to inform the public and grantees on the breadth of research funded by NIEHS.

Viewing 20 publications

Print version (PDF)

([http://www.niehs.nih.gov//portfolio/index.cfm/portfolio/grantpubdetail/grant\\_number/R01ES024872/format/word](http://www.niehs.nih.gov//portfolio/index.cfm/portfolio/grantpubdetail/grant_number/R01ES024872/format/word))

Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
DNA damage during the G0/G1 phase triggers RNA-templated, Cockayne syndrome B-dependent homologous r ...	Wei, Leizhen; Nakajima, Satoshi; Böhm, Stefanie; Bernstein, Kara A; Shen, Zhiyuan; Tsang, Michael; Levine, Arthur S; Lan, Li	Proc Natl Acad Sci U S A (2015 Jul 7)	112 / E3495-504	<a href="#">PubMed Citation</a>
Evolutionary and functional analysis of the invariant SWIM domain in the conserved Shu2/SWS1 protein ...	Godin, Stephen K; Meslin, Camille; Kabbinavar, Faiz; Bratton-Palmer, Dominique S; Hornack, Christina; Mihalevic, Michael J; Yoshida, Kyle; Sullivan, Meghan; Clark, Nathan L; Bernstein, Kara A	Genetics (2015 Apr)	199 / 1023-33	<a href="#">PubMed Citation</a>
Novel insights into RAD51 activity and regulation during homologous recombination and DNA replicatio ...	Godin, Stephen K; Sullivan, Meghan R; Bernstein, Kara A	Biochem Cell Biol (2016 Mar 31)	/ 1-12	<a href="#">PubMed Citation</a>
Promotion of Homologous Recombination by SWS-1 in Complex with RAD-51 Paralogs in <i>Caenorhabditis ele ...</i>	McClendon, T Brooke; Sullivan, Meghan R; Bernstein, Kara A; Yanowitz, Judith L	Genetics (2016 May)	203 / 133-45	<a href="#">PubMed Citation</a>
Promotion of presynaptic filament assembly by the ensemble of <i>S. cerevisiae</i> Rad51 paralogues with Ra ...	Gaines, William A; Godin, Stephen K; Kabbinavar, Faiz F; Rao, Timsi; VanDemark, Andrew P; Sung, Patrick; Bernstein, Kara A	Nat Commun (2015)	6 / 7834	<a href="#">PubMed Citation</a>
Single-Molecule Imaging Reveals that Rad4 Employs a Dynamic DNA Damage Recognition Process.	Kong, Muwen; Liu, Lili; Chen, Xuejing; Driscoll, Katherine I; Mao, Peng; Böhm, Stefanie; Kad, Neil M; Watkins, Simon C;	Mol Cell (2016 Oct 20)	64 / 376-387	<a href="#">PubMed Citation</a>

	Bernstein, Kara A; Wyrick, John J; Min, Jung-Hyun; Van Houten, Bennett			
The Budding Yeast Ubiquitin Protease Ubp7 Is a Novel Component Involved in S Phase Progression.	Böhm, Stefanie; Szakal, Barnabas; Herken, Benjamin W; Sullivan, Meghan R; Mihalevic, Michael J; Kabbinavar, Faiz F; Branzei, Dana; Clark, Nathan L; Bernstein, Kara A	J Biol Chem (2016 Feb 26)	291 / 4442-52	PubMed Citat
The Shu complex is a conserved regulator of homologous recombination.	Martino, Julieta; Bernstein, Kara A	FEMS Yeast Res (2016 Sep)	16 /	PubMed Citat
The Shu complex promotes error-free tolerance of alkylation-induced base excision repair products.	Godin, Stephen K; Zhang, Zhuying; Herken, Benjamin W; Westmoreland, James W; Lee, Alison G; Mihalevic, Michael J; Yu, Zhongxun; Sobol, Robert W; Resnick, Michael A; Bernstein, Kara A	Nucleic Acids Res (2016 Sep 30)	44 / 8199-215	PubMed Citat
Tryptophan biosynthesis is important for resistance to replicative stress in <i>Saccharomyces cerevisiae</i> ...	Godin, Stephen K; Lee, Alison G; Baird, Jared M; Herken, Benjamin W; Bernstein, Kara A	Yeast (2016 May)	33 / 183-9	PubMed Citat